

NOTES:

1) MATERIAL:

HOUSING: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: SEE CHART

TERMINALS: PHOSPHOR BRONZE

2) FINISH:

TERMINALS:

SELECT GOLD IN CONTACT AREA: 50 MICROINCHES (1.27 MICROMETERS) MIN.,

SELECT TIN IN PC TAIL AREA: 100 MICROINCHES (2.54 MICROMETERS) MIN.,

WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES (1.27 MICROMETERS) MIN.

3) PRODUCT SPECIFICATION: PS-43860-003.

4) PACKAGING SPECIFICATION:

CONNECTOR ASSEMBLIES PACKAGED IN EXTRUDED TUBES PER MOLEX

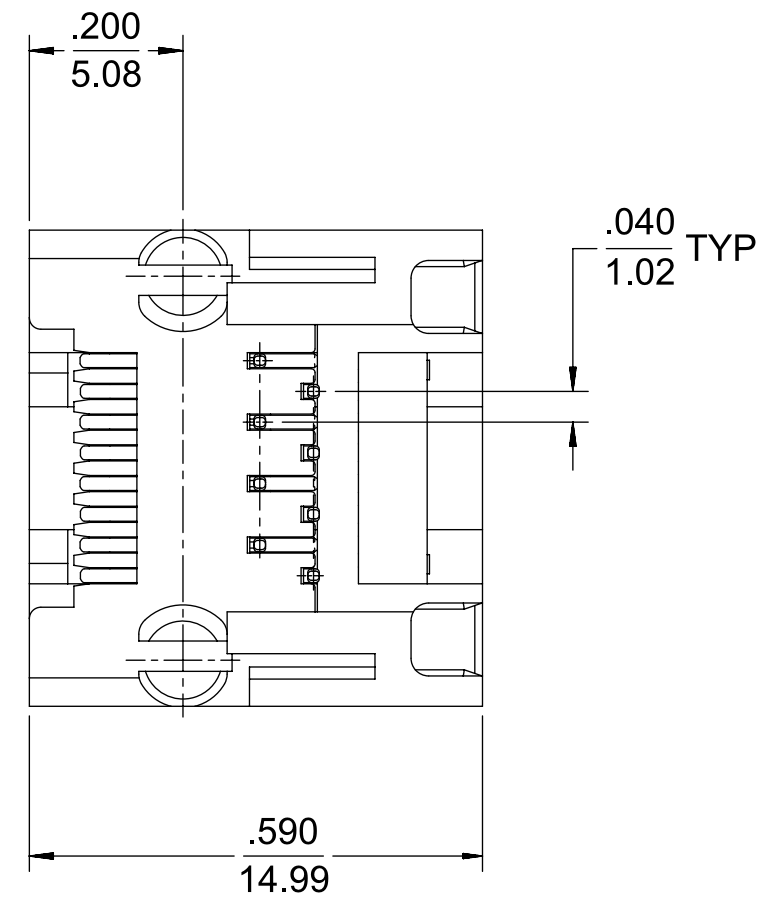
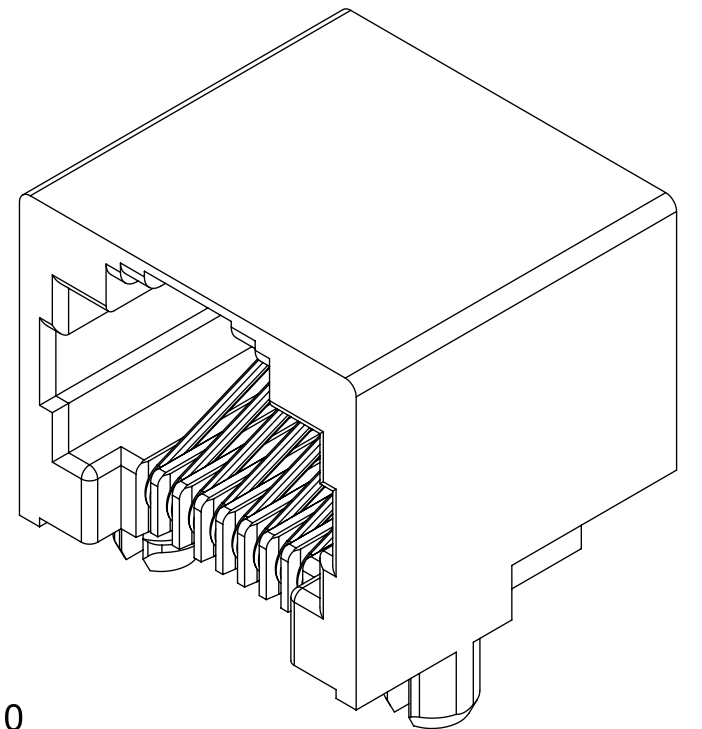
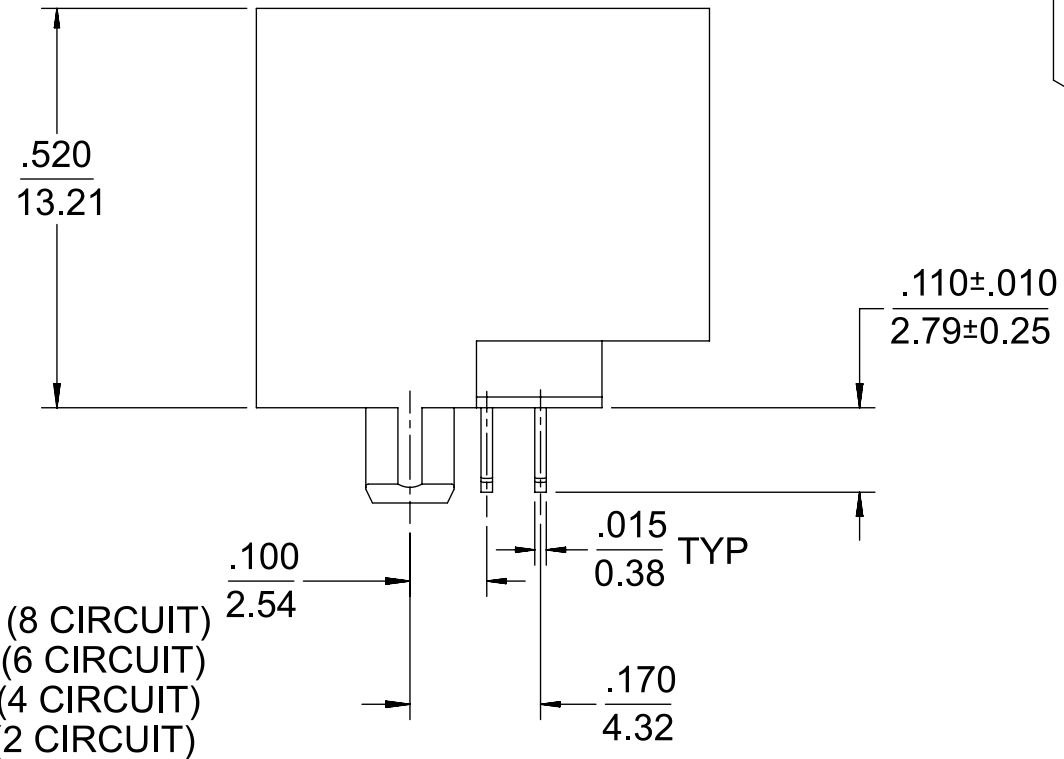
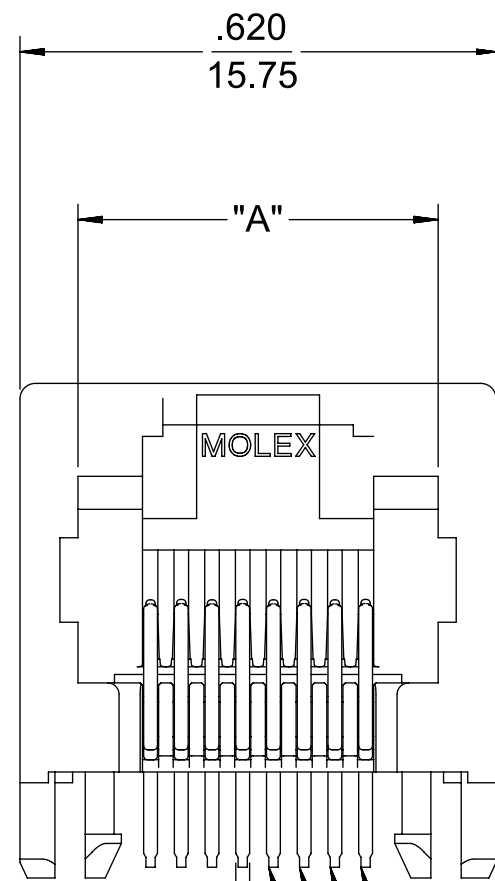
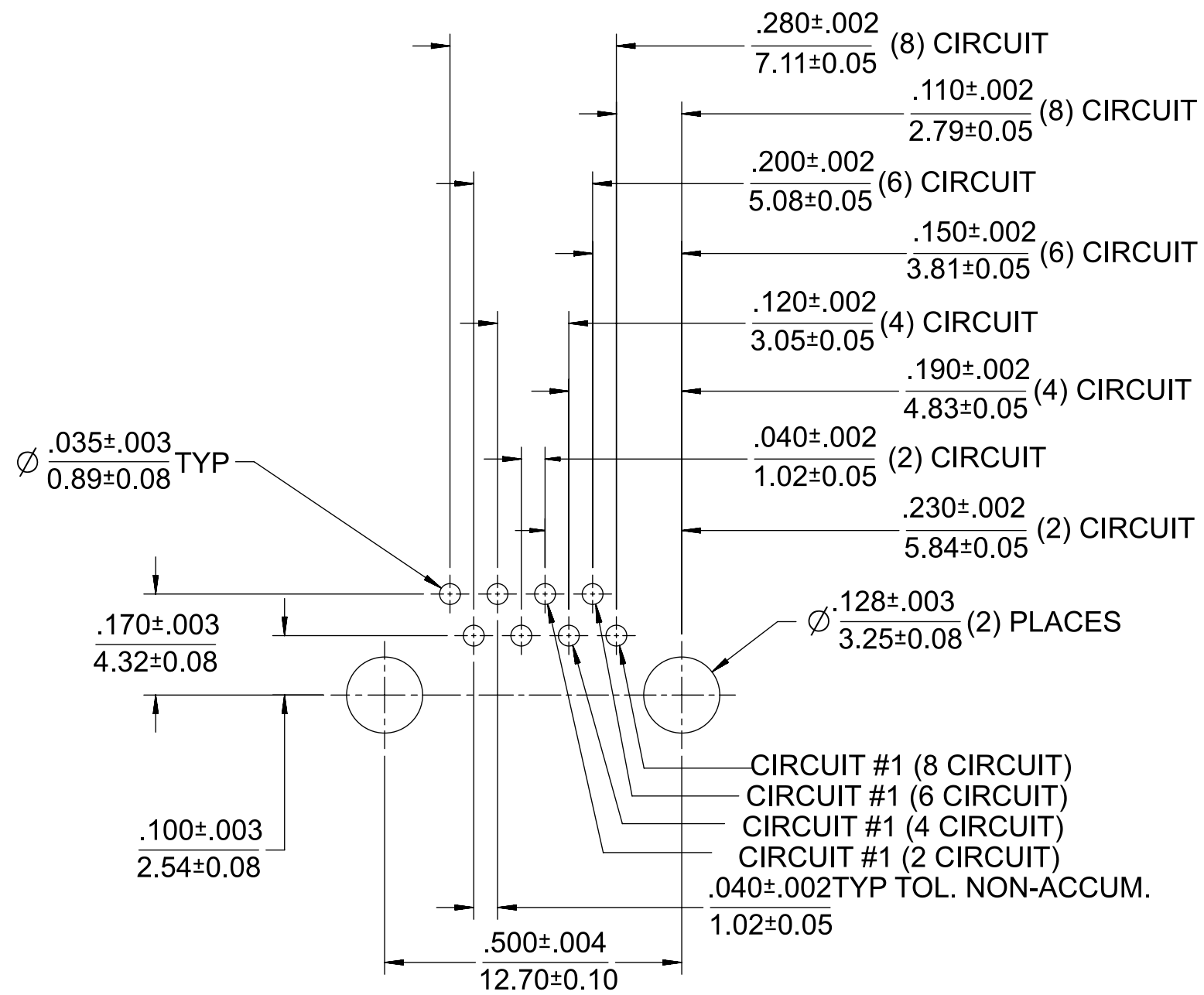
PACKAGING SPECIFICATION PK-43860-004.

5) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.

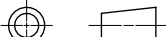
6) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.

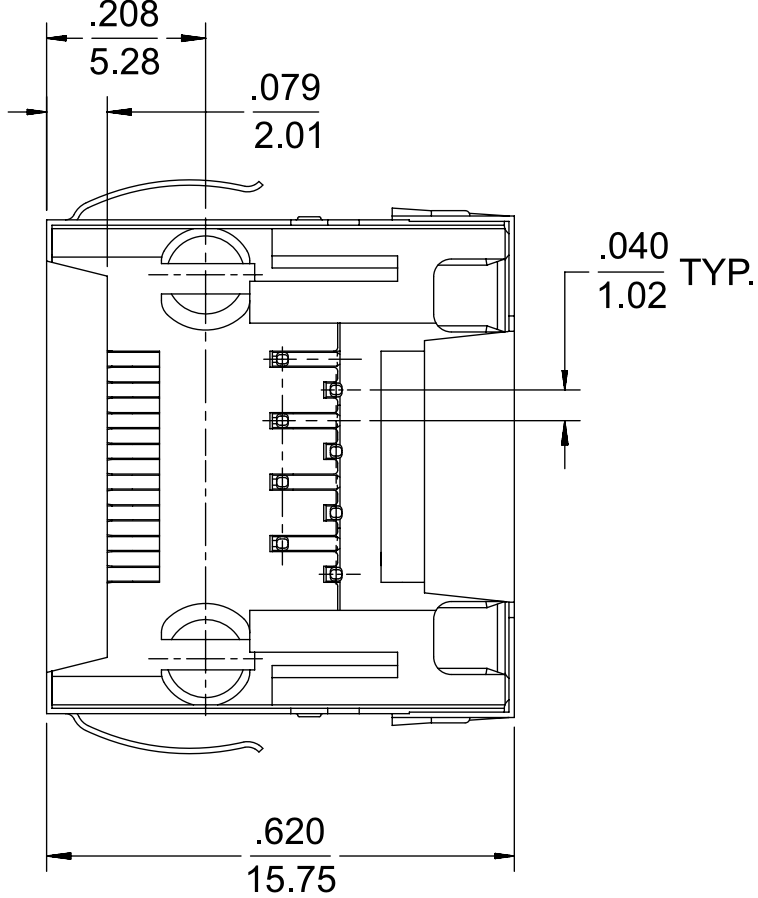
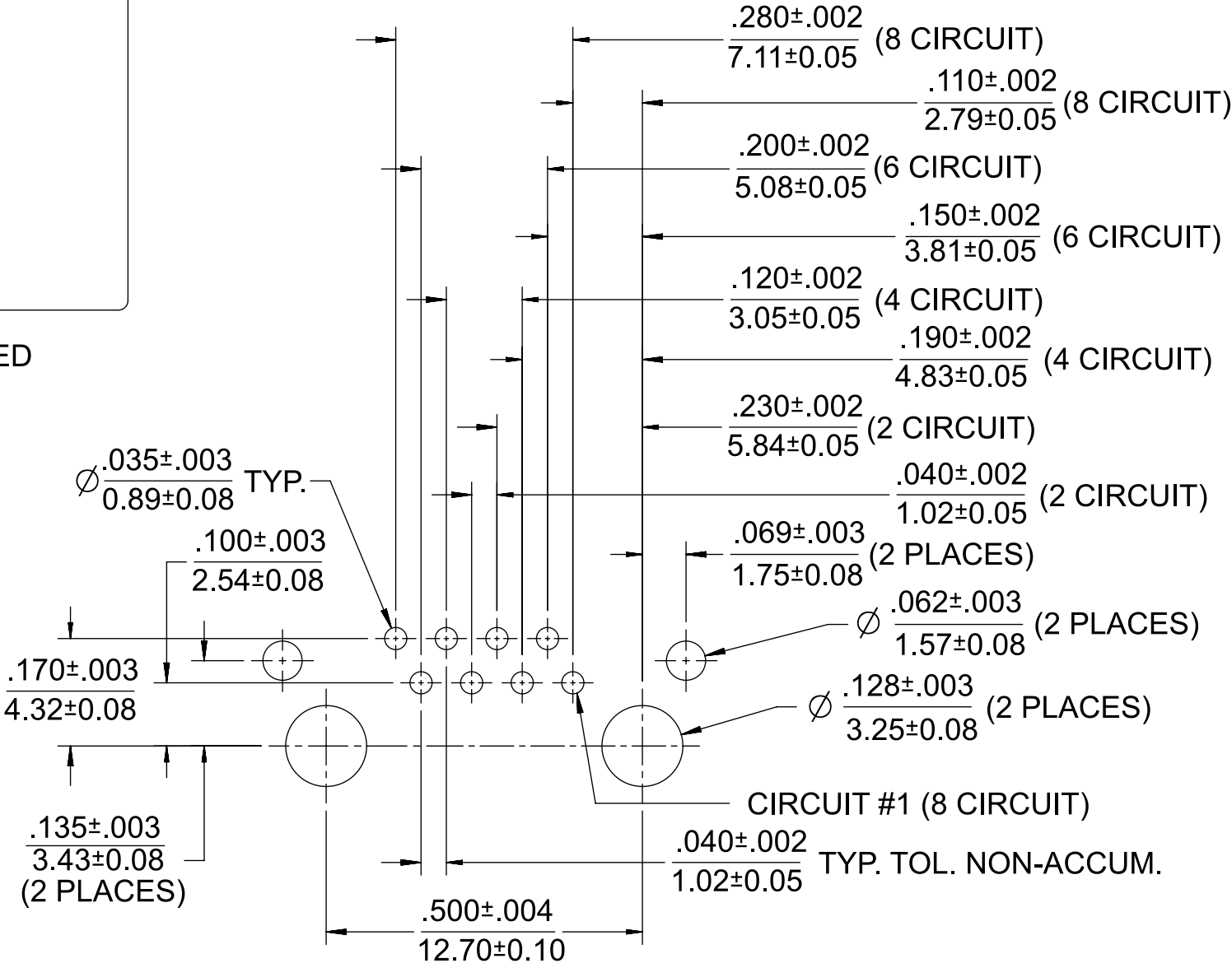
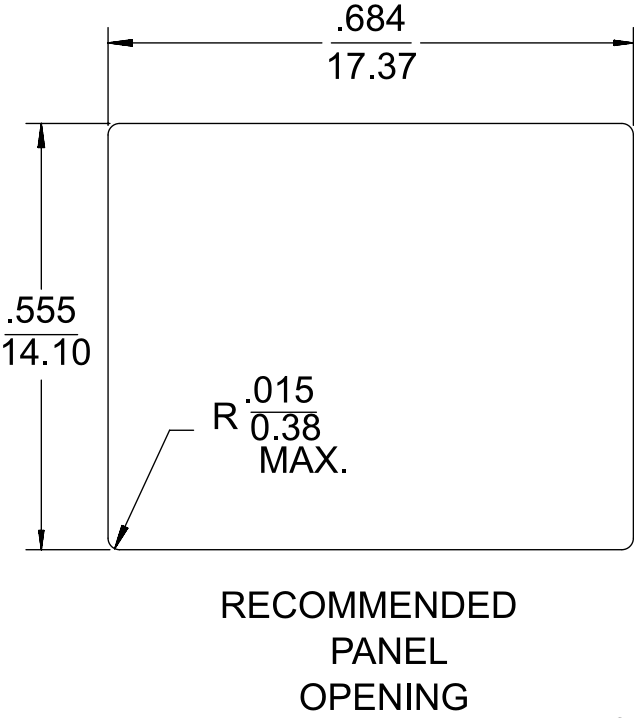
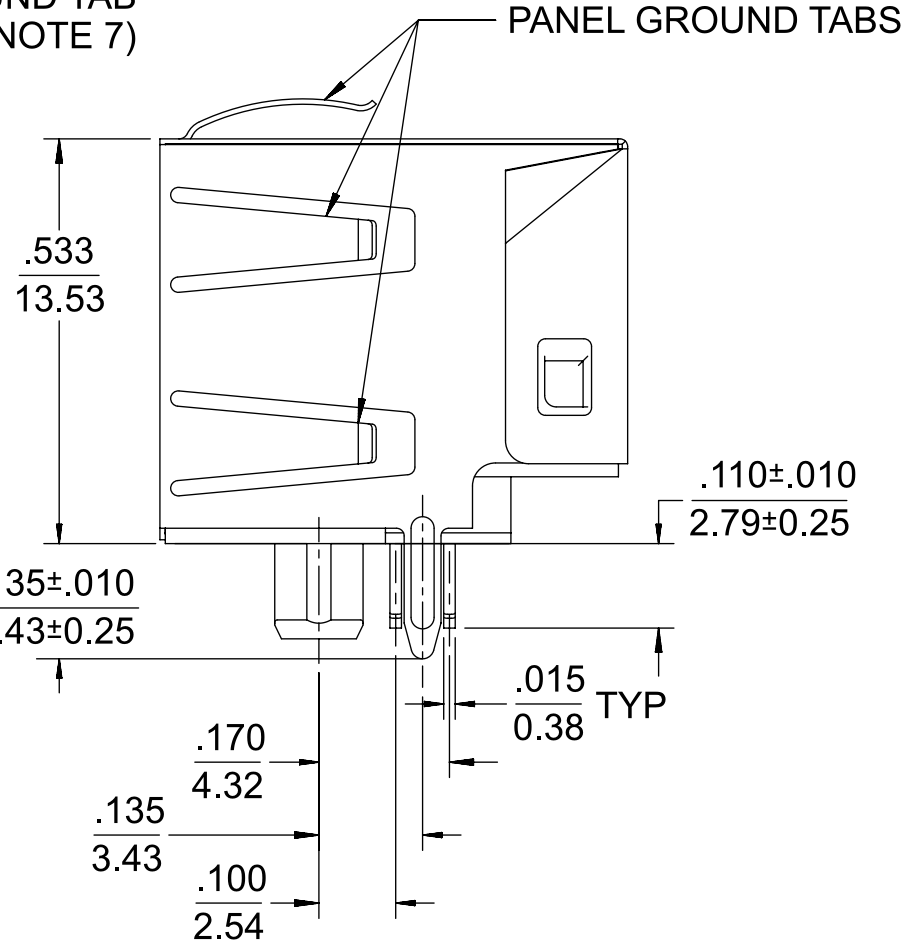
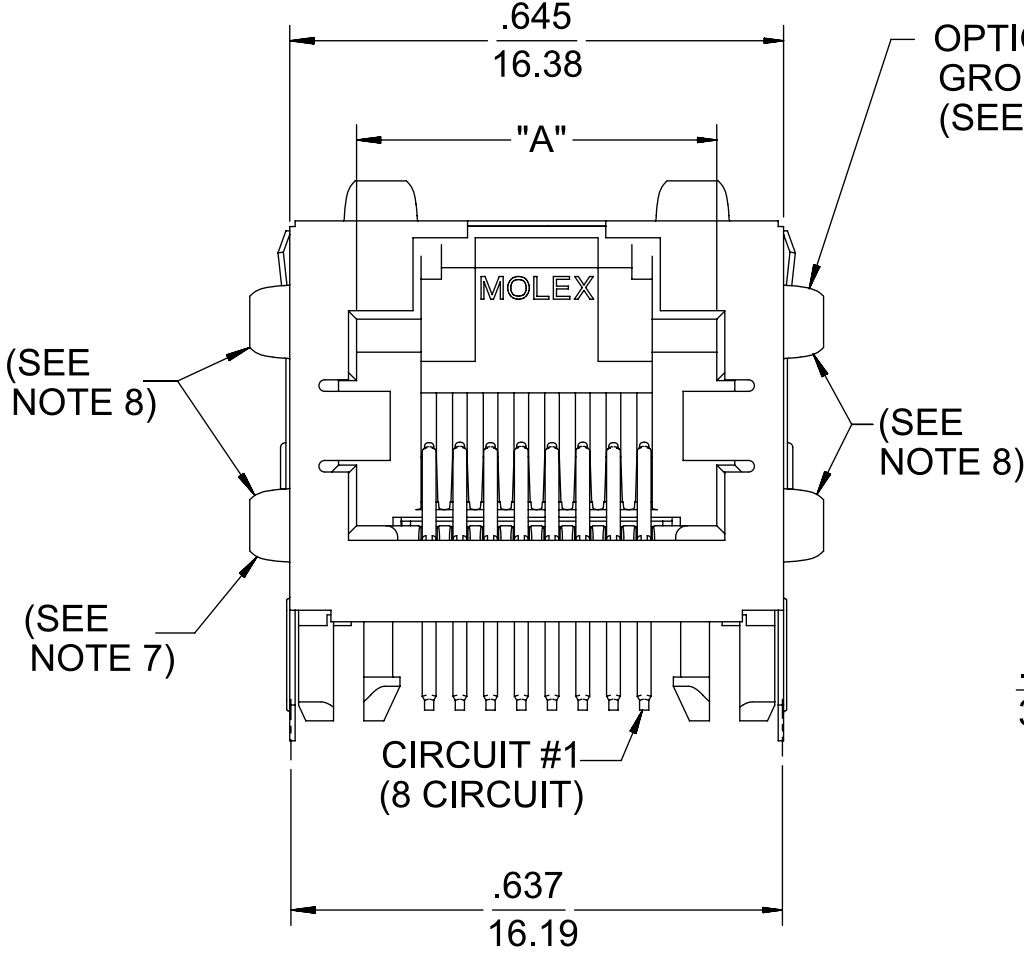
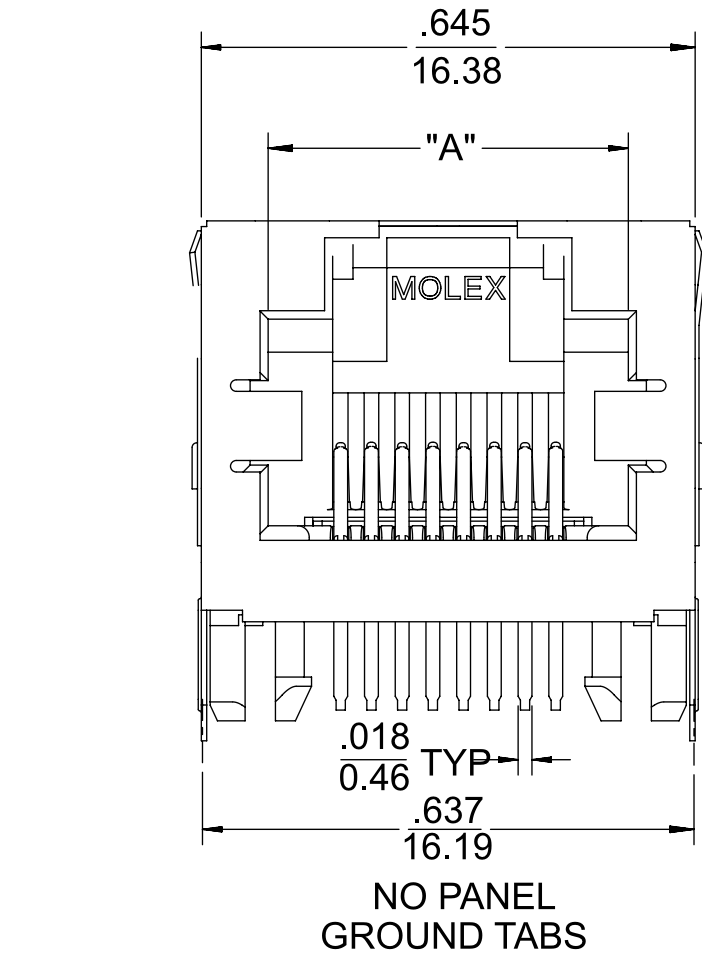
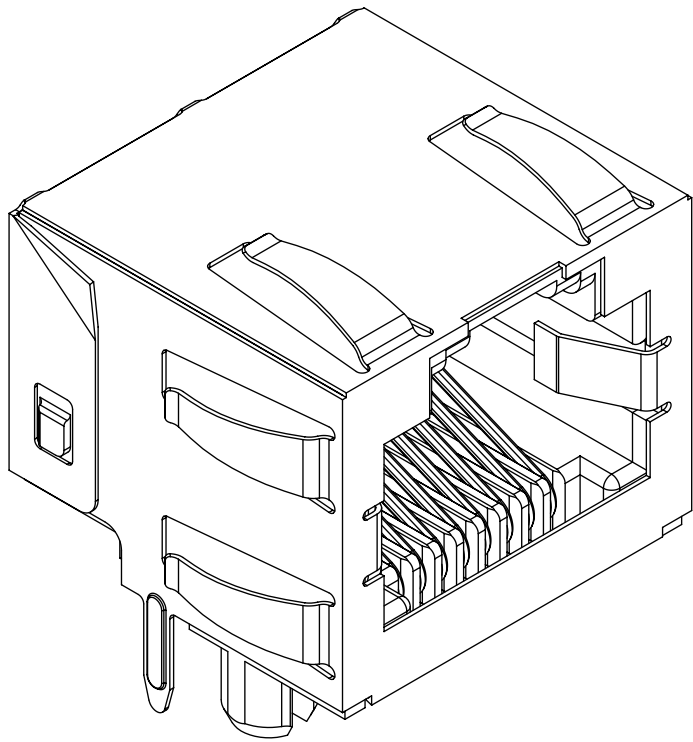
7) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC

SPECIFICATION PS-45499-002.



ASSEMBLY MAT. NUM.	CONNECTOR SIZE	DIM "A"	CIRCUITS	HOUSING COLOR
43860-0001	8	.469/11.91	8	BLACK
43860-0002	6	.389/9.88	6	BLACK
43860-0003	6	.389/9.88	4	BLACK
43860-0020	6	.389/9.88	2	BLACK

FUNCTIONAL SYMBOLS		THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION															
		DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512600						molex					
F_A = 0 F_B = 0 F_D = 0		GENERAL TOLERANCES (UNLESS SPECIFIED)														PHASE: CO NO: DRWN: Madhava M 2023-10-26 CHK'D: Ganesh Rao B 2023-12-20 APPR: Gurunandan GA 2023-12-20	
		MM		INCH													
DIVISIONAL SYMBOLS		4 PLACES		±	±		PRODUCT SALES DRAWING										
		3 PLACES		±	± 0.0100												
		2 PLACES		± 0.250	±												
		1 PLACE		±													
		0 PLACES		±													
		ANGULAR TOL ± 0.5°				INITIAL REVISION: DRWN: TALEND 1997/02/13 APPR: FRY 1997/03/04				DOCUMENT NUMBER		DOC TYPE		DOC PART		REVISION	
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION		DRAWING		SERIES		MATERIAL NUMBER		CUSTOMER		SHEET NUMBER	
								C-SIZE		43860		SEE TABLE		GENERAL MARKET		1 OF 5	



PC BOARD LAYOUT
COMPONENT SIDE OF BOARD
RECOMMENDED PCB THICKNESS .062±.005/1.57±0.13

- NOTES:
- 1) MATERIAL:
HOUSING: NYLON(PA), GLASS FILLED, UL94V-0,
COLOR: BLACK
TERMINALS: PHOSPHOR BRONZE
SHIELD: BRASS
 - 2) FINISH:
TERMINALS:
SELECT GOLD IN CONTACT AREA: 50 MICROINCHES/
1.27 MICROMETERS MIN.,
SELECT TIN IN PC TAIL AREA: 100 MICROINCHES/
2.54 MICROMETERS MIN.,
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES/
1.27 MICROMETERS MIN.
SHIELD:
100 MICROINCHES/2.54 MICROMETERS NICKEL OVER
50 MICROINCHES/1.27 MICROMETERS COPPER
UNDERPLATE; PCB GROUND TABS DIPPED IN TIN
 - 3) PRODUCT SPECIFICATION: PS-43860-003.
 - 4) PACKAGING SPECIFICATION:
CONNECTOR ASSEMBLIES PACKAGED IN THERMOFORMED TRAYS
PER MOLEX PACKAGING SPECIFICATION PK-43860-005.
43860-5025 CONNECTOR ASSEMBLIES PACKAGED IN TAPE AND
REEL PER MOLEX PACKAGING SPECIFICATION PK-70873-700*
 - 5) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.
 - 6) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
 - 7) AVAILABLE WITH THE (2) SPECIFIED PANEL GROUND TABS
OMITTED FOR SIDE TO SIDE STACKABILITY, PER THE ASSEMBLY
MATERIAL NUMBER TABLE.
 - 8) AVAILABLE WITH TOP PANEL GROUND TABS ONLY, PER THE
ASSEMBLY MATERIAL NUMBER TABLE.
 - 9) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC
SPECIFICATION PS-45499-002.

ASSEMBLY MAT. NUM.	CONNECTOR SIZE	DIM "A"	CIRCUITS	PANEL GROUND TABS	PACKAGING OPTION
43860-0004	8	.469/11.91	8	ALL	TRAY
43860-0005	6	.389/9.88	6	ALL	TRAY
43860-0006	6	.389/9.88	4	ALL	TRAY
43860-0013	8	.469/11.91	8	SEE NOTE #7	TRAY
43860-0014	6	.389/9.88	6	SEE NOTE #7	TRAY
43860-0025	8	.469/11.91	8	NONE	TRAY
43860-0026	6	.389/9.88	6	NONE	TRAY
43860-0031	8	.469/11.91	8	SEE NOTE #8	TRAY
43860-5025	8	.469/11.91	8	NONE	TAPE

FUNCTIONAL SYMBOLS

$\frac{F}{A} = 0$

$\frac{F}{C} = 0$

$\frac{F}{P} = 0$

DIVISIONAL SYMBOLS

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION

DIMENSION UNITS

SCALE

4:1

GENERAL TOLERANCES (UNLESS SPECIFIED)

	MM	INCH
4 PLACES	±	±
3 PLACES	±	± 0.0100
2 PLACES	± 0.250	±
1 PLACE	±	±
0 PLACES	±	±
ANGULAR TOL	± 0.5°	
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		

THIRD ANGLE PROJECTION

DRAWING

C-SIZE

SERIES

43860

CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512600

PHASE:

CO NO:

DRWN: Madhava M 2023-10-26

CHK'D: Ganesh Rao B 2023-12-20

APPR: Gurunandan GA 2023-12-20

INITIAL REVISION:

DRWN: TALEND 1997/02/13

APPR: FRY 1997/03/04

DOCUMENT NUMBER

DOC TYPE

DOC PART

REVISION

SD-43860-001

PSD

001

J

MATERIAL NUMBER

CUSTOMER

SHEET NUMBER

SEE TABLE

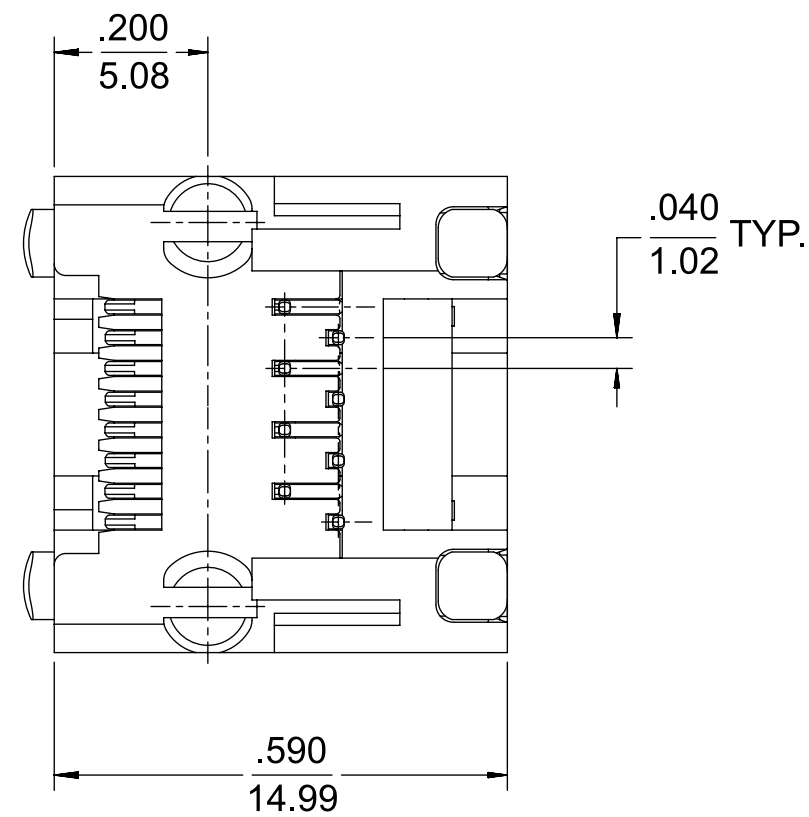
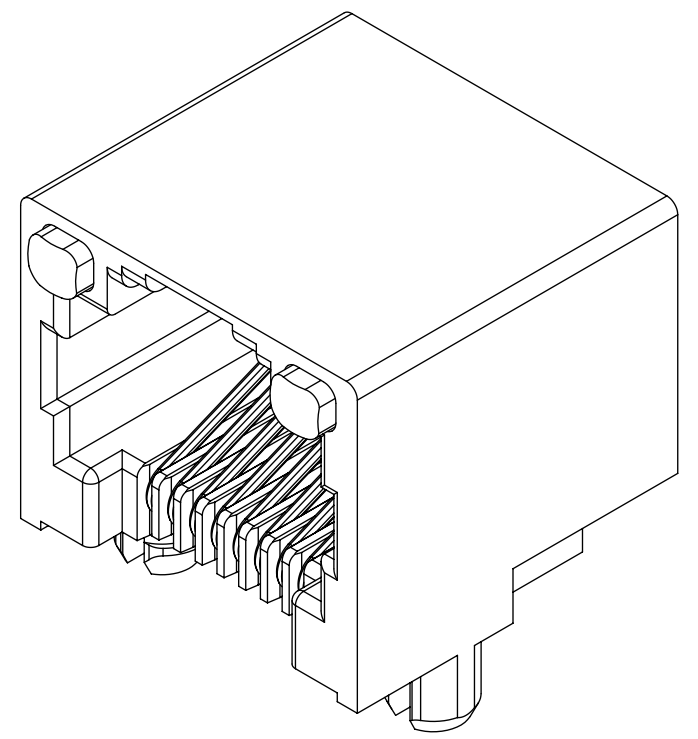
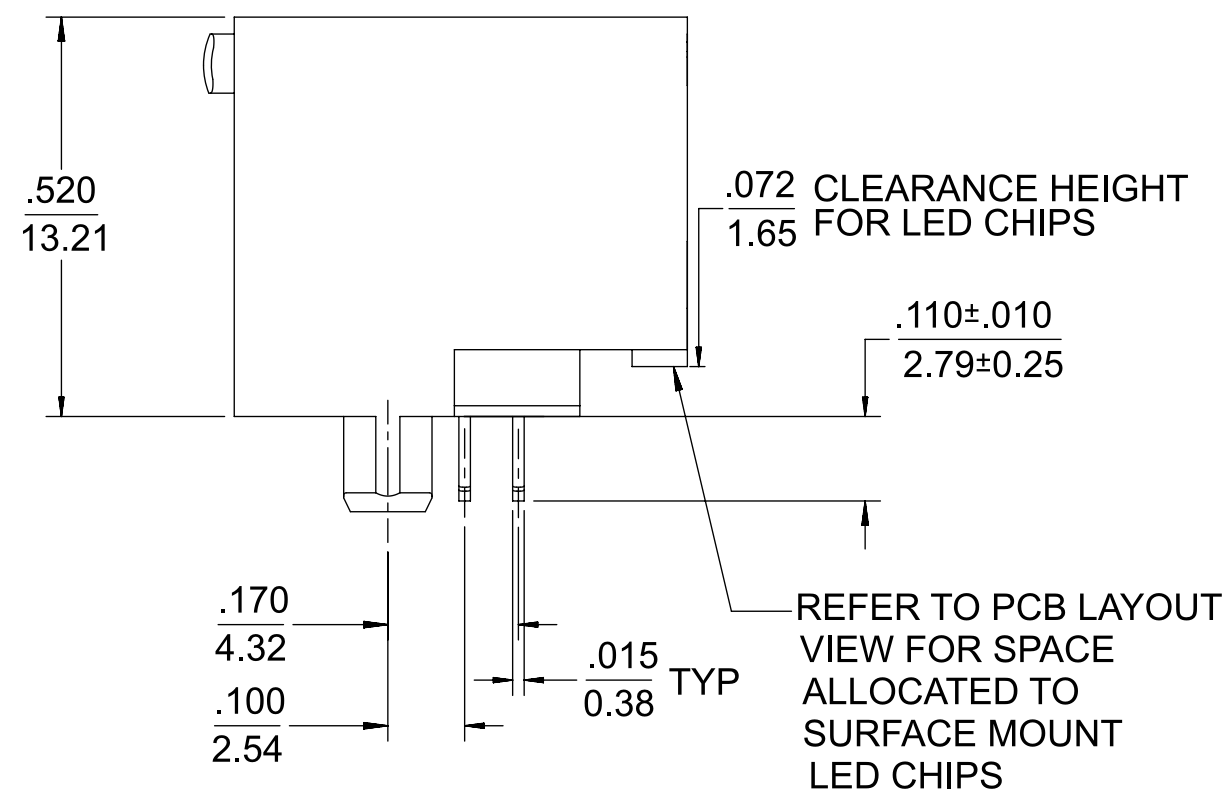
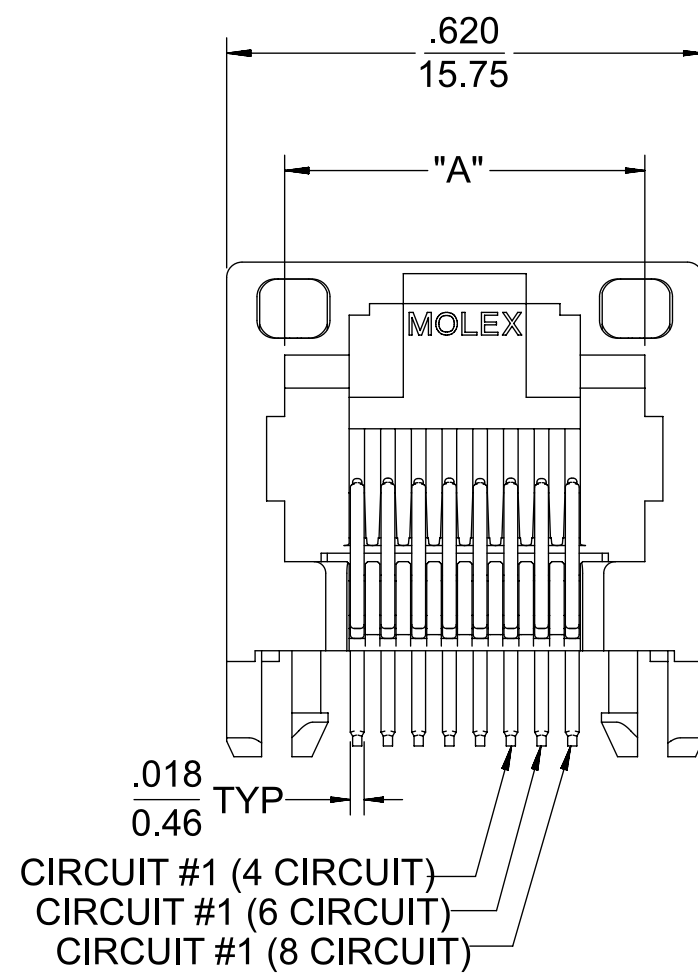
GENERAL MARKET

2 OF 5

molex

INVERTED MODULAR JACK ASSEMBLY

PRODUCT SALES DRAWING



NOTES:

1) MATERIAL:

HOUSING: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: BLACK

TERMINALS: PHOSPHOR BRONZE

LIGHT PIPES:

POLYCARBONATE - WAVE OR HAND SOLDER ONLY

(NOT DESIGNED FOR I/R REFLOW OR

CONVECTION REFLOW SOLDER PROCESSES)

POLYSULFONE - MAXIMUM REFLOW TEMPERATURE 400°F (205°C)

2) FINISH:

TERMINALS:

SELECT GOLD IN CONTACT AREA: 50 MICROINCHES (1.27 MICROMETERS) MIN.,

SELECT TIN IN PC TAIL AREA: 100 MICROINCHES (2.54 MICROMETERS) MIN.,

WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES (1.27 MICROMETERS) MIN.

3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43860-003.

4) PACKAGING SPECIFICATION:

CONNECTOR ASSEMBLIES PACKAGED IN EXTRUDED TUBES PER MOLEX

PACKAGING SPECIFICATION PK-43860-004.

5) APPLICATION SPECIFICATION: AS-43860-001

6) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.

7) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.

8) REFER TO SHEET (5) OF (5) FOR RECOMMENDED PCB LAYOUT.

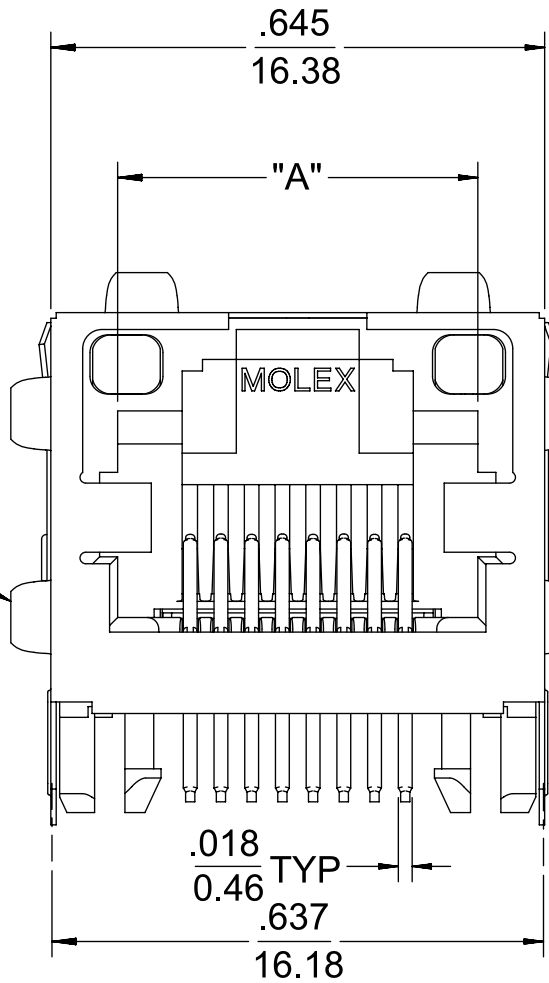
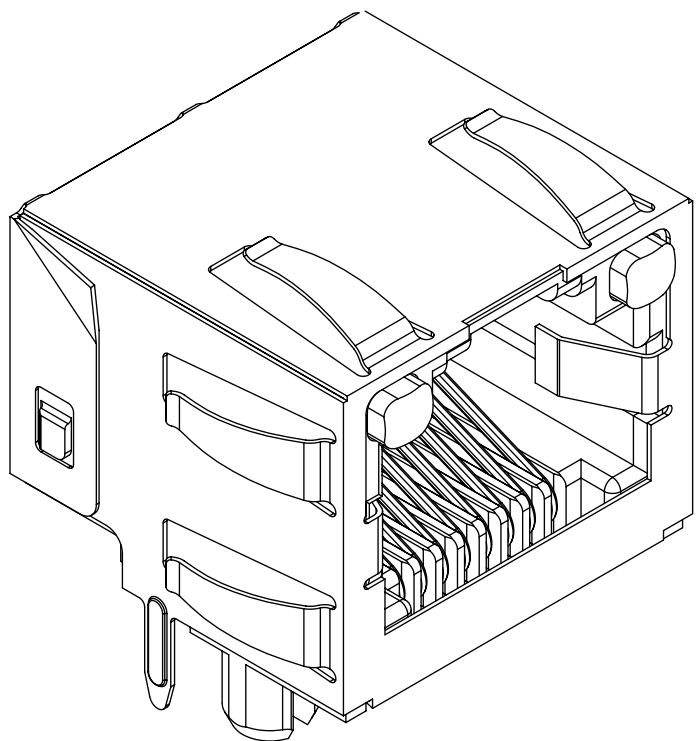
9) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC

SPECIFICATION PS-45499-002.

ASSEMBLY MAT. NUM.	LIGHT PIPE MATERIAL	CONNECTOR SIZE	DIM "A"	CIRCUITS
43860-0007	POLYCARBONATE	8	.469/11.91	8
43860-0008	POLYCARBONATE	6	.389/9.88	6

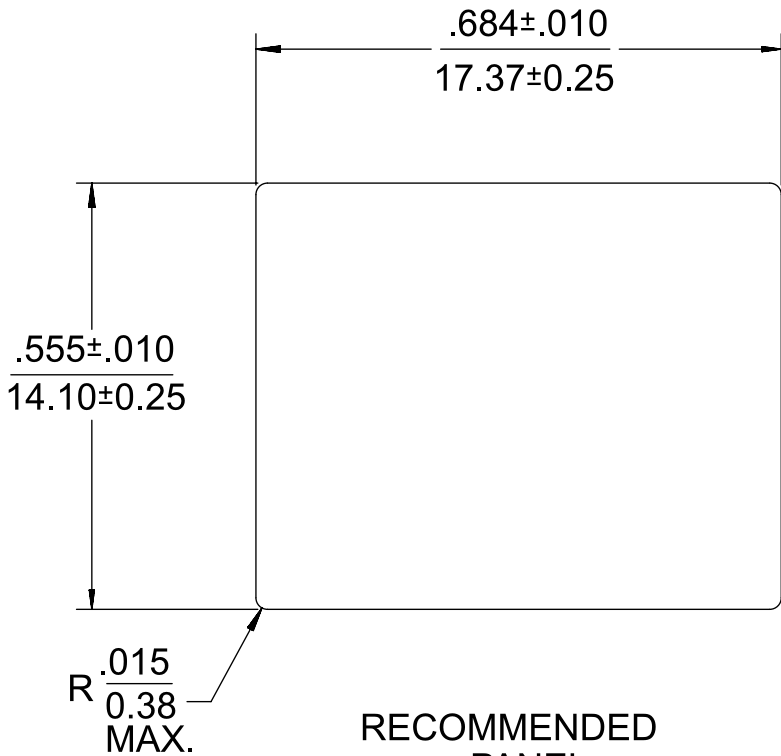
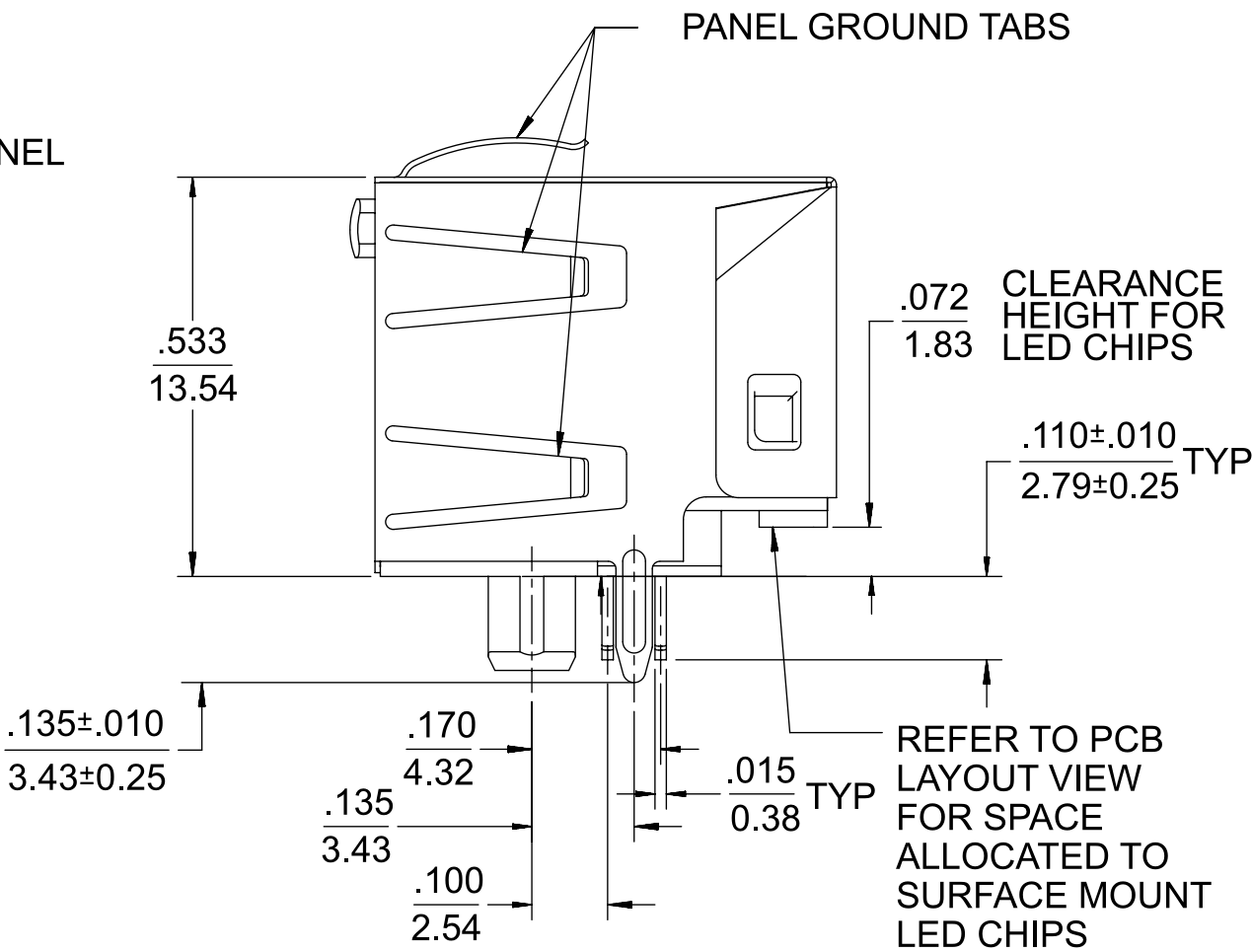
FUNCTIONAL SYMBOLS	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION														
	DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512600		molex								
	IN/mm		4:1												
GENERAL TOLERANCES (UNLESS SPECIFIED)							INVERTED MODULAR JACK ASSEMBLY								
		MM	INCH												
DIVISIONAL SYMBOLS		4 PLACES		±	±		PRODUCT SALES DRAWING								
		3 PLACES		±	± 0.0100										
	2 PLACES		± 0.250	±											
DIVISIONAL SYMBOLS		1 PLACES		±	±		DOCUMENT NUMBER		DOC TYPE	DOC PART	REVISION				
		0 PLACES		±	±										
		ANGULAR TOL		± 0.5°		SD-43860-001		PSD	001	J					
		DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		THIRD ANGLE PROJECTION							DRAWING		SERIES		MATERIAL NUMBER
						C-SIZE		43860		SEE TABLE		GENERAL MARKET		3 OF 5	

121110987654321



OPTIONAL PANEL
GROUND TAB
(SEE NOTE 8)

OPTIONAL PANEL
GROUND TAB
(SEE NOTE 8)



RECOMMENDED
PANEL
OPENING

- NOTES:
- 1) MATERIAL:
HOUSING: NYLON(PA), GLASS FILLED, UL94V-0, COLOR: BLACK
TERMINALS: PHOSPHOR BRONZE
SHIELD: BRASS
LIGHT PIPES:
POLYCARBONATE - WAVE OR HAND SOLDER ONLY
(NOT DESIGNED FOR I/R REFLOW OR
CONVECTION REFLOW SOLDER PROCESSES)
POLYSULFONE - MAXIMUM REFLOW TEMPERATURE 400°F (205°C)
 - 2) FINISH:
TERMINALS:
SELECT GOLD IN CONTACT AREA: 50 MICROINCHES/1.27 MICROMETERS MIN.,
SELECT TIN IN PC TAIL AREA: 100 MICROINCHES/2.54 MICROMETERS MIN.,
WITH OVERALL NICKEL UNDERPLATE: 50 MICROINCHES/1.27 MICROMETERS MIN.
SHIELD:
100 MICROINCHES/2.54 MICROMETERS OVER 50 MICROINCHES/1.27
MICROMETERS COPPER UNDERPLATE; PCB GROUND TABS DIPPED IN TIN
 - 3) PRODUCT SPECIFICATION AND PROCESSING PARAMETERS: PS-43860-003.
 - 4) PACKAGING SPECIFICATION:
CONNECTOR ASSEMBLIES PACKAGED IN THERMOFORMED TRAYS PER MOLEX
PACKAGING SPECIFICATION PK-43860-005.
 - 5) APPLICATION SPECIFICATION: AS-43860-001
 - 6) ALL UNTOLERANCED DIMENSIONS ARE SHOWN FOR REFERENCE ONLY.
 - 7) CONFORMS TO FCC REGULATION PART 68.5 FOR MODULAR JACKS.
 - 8) AVAILABLE WITH THE (2) SPECIFIED PANEL GROUND TABS OMITTED FOR SIDE
TO SIDE STACKABILITY, PER THE ASSEMBLY MATERIAL NUMBER TABLE.
 - 9) REFER TO SHEET (5) OF (5) FOR RECOMMENDED PCB LAYOUT.
 - 10) THIS PART CONFORMS TO CLASS B REQUIREMENTS OF COSMETIC
SPECIFICATION PS-45499-002.

ASSEMBLY MAT. NUM.	LIGHT PIPE MATERIAL	CONNECTOR SIZE	DIM "A"	CIRCUITS	PANEL GROUND TABS
43860-0010	POLYCARBONATE	8	.469/11.91	8	ALL
43860-0011	POLYCARBONATE	6	.389/9.88	6	ALL
43860-0012	POLYCARBONATE	6	.389/9.88	4	ALL
43860-0016	POLYCARBONATE	8	.469/11.91	8	SEE NOTE #8
43860-0017	POLYCARBONATE	6	.389/9.88	6	SEE NOTE #8

THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX ELECTRONIC TECHNOLOGIES, LLC AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION												
FUNCTIONAL SYMBOLS FA = 0 FC = 0 FP = 0 DIVISIONAL SYMBOLS	DIMENSION UNITS		SCALE		CURRENT REV DESC: REMOVED OBSOLETE PART NUMBERS AS PER PCN#512600				molex			
	IN/mm		4:1									
	GENERAL TOLERANCES (UNLESS SPECIFIED)								PHASE: CO NO: DRWN: Madhava M 2023-10-26 CHK'D: Ganesh Rao B 2023-12-20 APPR: Gurunandan GA 2023-12-20			
		MM	INCH									
	4 PLACES	±		±								
	3 PLACES	±		± 0.0100								
	2 PLACES	± 0.250	±									
	1 PLACE	±	±									
	0 PLACES	±	±									
	ANGULAR TOL ± 0.5°				INITIAL REVISION: DRWN: TALEND 1997/02/13 APPR: FRY 1997/03/04				DOCUMENT NUMBER		DOC TYPE	DOC PART
DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS				THIRD ANGLE PROJECTION					DRAWING	SERIES	MATERIAL NUMBER	
						C-SIZE	43860	SEE TABLE		GENERAL MARKET		4 OF 5

molex

INVERTED MODULAR JACK
ASSEMBLY

PRODUCT SALES DRAWING

DOCUMENT NUMBER
SD-43860-001

DOC TYPE
PSD

DOC PART
001

REVISION
J

121110987654321

